

Schedule

FRIDAY

9:00 AM – 10:30 AM

Introduction to Session

Invited Speaker: James Albus

10:30 AM – 11:00 AM

Break

11:00 AM – 12:30 PM

Comparative Analysis of Frameworks for Knowledge-Intensive Agents

Randolf Jones, Robert Wray

Towards a Cognitive Substrate

Nicholas Cassimatis

Engines of the Brain: The Computational “Instruction Set” of Perception and Cognition

Richard Granger

Novamente: An Integrative Architecture for General Intelligence

Moshe Looks, Ben Goertzel and Cassio Pennachin

Toward a Unified Artificial Intelligence

Pei Wang

A Cognitively-Oriented Architecture Confronts Hard Problems

Susan Epstein

12:30 PM – 2:00 PM

Lunch

2:00 PM – 3:30 PM

Panel on Multi-Representational Architectures

Led by Erik Mueller

3:30 PM – 4:00 PM

Break

4:00 PM – 5:30 PM

The Common Ground of Constraint Satisfaction

Eugene Freuder

Reinforcement Learning as a Context for Integrating AI Research

Bill Hibbard

Self-Trained Artificial Neural Networks

Vikramaditya Reddy. J.

Discussion.

6:00 PM – 7:00 PM

Reception

SATURDAY

9:00 AM – 10:30 AM

Overview from previous day

Invited Speaker

Pat Langley

Discussion

10:30 AM – 11:00 AM

Break

11:00 AM – 12:30 PM

“Pulling it All Together” via Psychometric AI

Selmer Bringsjord and Bettina Schimanski

Companion Cognitive Systems: A Step towards Human-level AI

Kenneth Forbus and Thomas Hinrichs

Towards Virtual Humans

W. Swartout, J. Gratch, R. Hill, E. Hovy, R. Lindheim, S.

Marsella, J. Rickel, D. Traum

Discussion

12:30 PM – 2:00 PM

Lunch

2:00 PM – 3:30 PM

Invited Speaker

Deb Roy

Discussion

3:30 PM – 4:00 PM

Break

4:00 PM – 5:30 PM

Joint Session with The Intersection of Cognitive Science
and Robotics: From Interfaces to Intelligence.

6:00 PM – 7:30 PM

Plenary Session

SUNDAY

9:00 AM – 10:30 AM

Overview from previous day

Principles of Collaborative Coordination: An Agenda for
Furthering Interactive Computational Intelligence

Derek Brock

Viewing Vision-Language Integration as a Double-
Grounding Case

Katerina Pastra

10:30 AM – 11:00 AM

Break

11:00 AM – 12:30 PM

Session

Retrospective and Prospective Panel Discussion